

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ03/00122

A. CLASSIFICATION OF SUBJECT MATTERInt. Cl. ⁷: G01N 33/24, G01L 7/18, 11/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI: (soil? or porous or granular or textured or permeable or matrix or earth+ or dirt or ground or clay+ or silt? or sand? or loam? or gravel+ or pumice)(s)(moist+ or water or wet+ or liquid or fluid or +saturat+ or hydra+), ((measur+ or sens+ or detect+ or +meter? or gage or gauge or probe or monitor+ or determin+ or calculat+ or control+ or content? or level or amount? or capacit+ or retenti+ or fraction)(s)(moisture or water or hydra+ or liquid or fluid)) or matrix or ((soil? or pore?)(4d)(suction or tension or pf)), capillar+ or tube? or pipe? or tubing, pf- or ((water or moisture or liquid or pore? or fluid)(s)(tension or suction? or pressure)) or ((tension or porous or ceramic)(3d)(plate or cup or table)) or "hanging water" or "water column", soil?, ((retenti+ or releas+ or hold+ or held)(2d)(moisture or water or liquid or fluid)) or ((moisture or water)(4d)(curve? or graph+ or characteristic? or plot+ or diagram or correlation)) or ((water or moisture or liquid)(4d)(content? or suction or tension or pf)), porous or pore+ or poros+ or ceramic? or porcelain, automat+ or +comput+ or software or electronic or +program+ or memory or record+ or stor+ or data+ or acquisition or circuit+ or +processor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	RU 2102721 (GLOBUS A. M.) 20 January 1998 Whole document, and in particular see the abstract, figure and page 4, lines 7-11	1-8, 10-12
Y	As above	9

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

* Special categories of cited documents:

"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search
6 August 2003Date of mailing of the international search report
15 AUG 2003

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SU 1755190 A1 (HYDROTECHN MELIORATION RES INST) 15 August 1992 Whole document, and in particular see figure 4	10, 12
X	SU 1247748 A (VASKHIL RES INST) 30 July 1986 Figure and column 1, line 15- column 2, line 17	1-2, 10-12
X	SU 877371 (KALININ POLY) 30 October 1981 Whole document	10, 12
X	US 6234008 B1 (SJOBLUM et al.) 22 May 2001 Abstract, Figures 2-4, column 2, lines 9-63, column 4, lines 21-62, column 5, lines 15-32, column 7, lines 18-43, column 12, lines 4-8, column 13, lines 24-36, Claims 1, 4, 13, 21, 42	1-2, 5-8, 10-12
Y	As above	9
X	Derwent Abstract Accession No 94-190806/23, Class S03, SU 1807340 A1 (SIROTKIN V. V.) 7 April 1993 Abstract and drawing	1, 5-8, 10-12
Y	JP 11-201890 A (TSUJIKAWA HIDEO) 30 July 1999 See machine translation: [online], [retrieved on 2003-07-31]. Retrieved from the Internet: <URL: http://www6.ipdl.jpo.go.jp/Tokujitu/PAJdetail.ipdl?N0000=60&N0120=01&N2001=2&N3001=H11-201890 > Abstract and paragraph [0008], last sentence	9
Note: For the Y indications, Patent Abstract of Japan Publication number 11-201890 can be combined with any other Y documents.		

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ03/00122

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member
RU	2102721	NONE
SU	1755190	NONE
SU	1247748	NONE
SU	877371	NONE
US	6234008	NONE
SU	1807340	NONE
JP	11201890	NONE
END OF ANNEX		